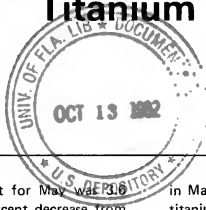




# Titanium Ingot, Mill Products, and Castings



MAY 1982

ITA-991(82)-5  
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BUREAU OF THE CENSUS  
BUREAU OF INDUSTRIAL ECONOMICS

The total production of titanium ingot for May was 3.6 million pounds. This represented a 28-percent decrease from the April total of 5.0 million pounds. Consumption of titanium ingot decreased by 20 percent in May to 4.2 million pounds from 5.2 million pounds in April. Net shipments of titanium mill products decreased by 14 percent to 3.0 million pounds

in May from 3.4 million pounds in April. Total shipments of titanium castings decreased by 17 percent to 45 thousand pounds in May from 54 thousand pounds in April.

A description of the survey methodology and related information may be found in the January 1982 report for this series, ITA-991(82)-1, issued June 1982.

Table 1. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

(Thousands of pounds)			
Product	May 1982	April 1982	May 1981
Total <sup>1</sup> .....	2,961	3,436	4,477
Sheet and strip.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Plate.....			
Forging and extrusion billet.....	1,613	1,986	2,429
Rod and bar.....	249	313	789
Fastener stock and wire.....	60	79	99
Extrusion.....			
Pipe and tubing.....	1,132	1,166	1,523
Other.....			

<sup>1</sup>Net shipments, total, is the sum of mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail does not add to total because of this difference in definition.

<sup>2</sup>Data for sheet and strip, plate, extrusion (other than tubing), pipe and tubing, and other have been combined to avoid disclosing individual company data.

Table 2. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1982 AND 1981

Month and year	Ingot					Mill products			Castings	
	Production	Consumption	Shipments	Receipts	Ending inventories	Production	Receipts	Net shipments <sup>1 2</sup>	Production	Shipments
1982										
.....	3,606	4,177	456	711	5,896	2,830	368	2,961	59	45
.....	5,001	5,204	769	806	6,405	3,209	353	3,436	69	54
.....	6,858	7,320	867	1,071	6,552	4,361	704	4,454	90	59
ary.....	6,505	6,202	973	1,252	6,686	4,185	830	3,458	83	55
ry.....	6,452	6,222	1,363	955	6,523	4,475	825	3,655	77	43
1981										
Total.....	(NA)	(NA)	(NA)	(NA)	(NA)	58,940	9,084	50,983	675	417

A) Not available.

See table 1 for more detailed data.

Net shipments, total, is the sum of mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail does not add to total because of this difference in definition.

Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Materials Division, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Nathaniel A. Shelton, (301) 763-2529.

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Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANIUM MILL PRODUCTS: 1982 and 1981

(Quantity in thousands of pounds; value in thousands of dollars)

Month and year	Manufacturers' net shipments <sup>1</sup> (quantity)	Exports of domestic merchandise <sup>2</sup>			Percent exports to manufacturers' net shipments (quantity)	Imports for consumption <sup>4</sup>		Apparent consumption <sup>5</sup> (quantity)	Percent imports to apparent consumption (quantity)
		Quantity	Value at port	Estimated producers' value <sup>3</sup>		Quantity	Value <sup>3</sup>		
MAY 1982									
Total.....	3,510	666	13,077	12,725	18	329	3,285	3,173	10
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,069	439	9,165	8,918	21	106	1,011	1,736	6
Titanium mill products.....	1,441	227	3,912	3,807	16	223	2,274	1,437	16
APRIL 1982									
Total.....	4,313	537	7,845	7,634	12	191	2,097	3,967	5
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,755	376	5,066	4,930	14	71	538	2,450	5
Titanium mill products.....	1,558	161	2,779	2,704	10	120	1,559	1,517	8
MARCH 1982									
Total.....	5,496	591	9,570	9,313	11	222	2,726	5,127	4
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	3,292	316	5,586	5,436	11	39	584	2,965	1
Titanium mill products.....	2,204	225	3,984	3,877	10	183	2,142	2,162	9
FEBRUARY 1982									
Total.....	4,608	734	11,456	11,148	16	187	1,911	4,061	5
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,814	433	6,037	5,875	15	25	194	2,406	10
Titanium mill products.....	1,794	301	5,419	5,274	17	162	1,717	1,655	10
JANUARY 1982									
Total.....	5,313	983	12,598	13,501	19	105	1,318	4,435	2
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	3,277	657	7,920	10,386	20	30	366	2,650	11
Titanium mill products.....	2,036	326	4,678	2,115	16	75	952	1,785	4
1981									
Total.....	(NA)	12,098	159,454	155,165	(NA)	2,719	27,234	(NA)	(NA)
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	(NA)	8,405	105,647	102,805	(NA)	488	5,221	(NA)	(NA)
Titanium mill products.....	27,303	3,693	53,807	52,360	13	2,231	22,013	25,841	9

(NA) Not available.

<sup>1</sup>For a comparison of Standard Industrial Classification (SIC) codes, export (Schedule B) codes, and import (TS/USA) codes, please refer to the January report for this series, ITA 991(82)-1, issued June 1982.

<sup>2</sup>Source: Bureau of the Census report EN 546, U.S. Exports-Schedule B-Commodity by Country.

<sup>3</sup>These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1980 which are published in *Origin of Exports of Manufactured Products*, M80(A3)-6, appendix B. Comparable adjustment factors for earlier years are based on similar factors developed for 1971 and 1972. The current adjustment factor for this report is 0.9731.

<sup>4</sup>Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

<sup>5</sup>The value includes c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus U.S. import duties and other charges to the import point.

<sup>6</sup>Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

<sup>7</sup>Comparability of output, export, and import classifications for ingot and billet assume that bloom, sheet bar, and slab are reported as ingot or billet in the output codes. Figures for imports of ingot and billet also include powder, crystal, and similar primary forms which are excluded from the output and export codes.

